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09/653,614	08/31/2000	Gregory L. Slaughter	5181-67400	4149

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EXAMINER
NGUYEN, VAN H

ART UNIT	PAPER NUMBER
2151	

DATE MAILED: 02/12/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

X Responsive to communication(s) filed on _Aug 31, 2000_

☐ This action is **FINAL.**

☐ Since this application is in condition for allowance except for formal matters,   **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire _____3___ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

X Claim(s) _1-50_____ is/are pending in the applicat

   Of the above, claim(s) _____ is/are withdrawn from consideration

☐ Claim(s) _____ is/are allowed.

X Claim(s) _1-50_____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

   ☐ All ☐ Some* X None   of the CERTIFIED copies of the priority documents have been

      ☐ received.

      ☐ received in Application No. (Series Code/Serial Number) _____ .

      ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   *Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

X Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

DETAILED ACTION

1.   Claims 1-50 are presented for examination.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 USC § 102 that form the

basis for the rejections under this section made in this Office action:

> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or
> on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 6-8, 12-15, 19-20, 24-26, 28, 31-33, and 37-38 are rejected under 35

U.S.C. 102(b) as being anticipated by **Vacon et al. (U.S.PAT.NO. 5,227,778**; hereinafter

Vacon).

As to claims 1 and 26, Vacon teaches (col.3 - col.7) a client (a user terminal) accessing a

space service (service providers), wherein the space service is operable to store one or more

service advertisements (service advertisements) in a space (local memory), and wherein each of

the service advertisements comprises information (service provider information) which is usable to

access a corresponding service (a given type of service); the client selecting (specifying) one of

the service advertisements from the space; and the client using the information from the selected service advertisement to execute (execute) the corresponding service.

As to claims 3 and 28, refer to claim 1. Additionally, Vacon teaches (col.4, lines 1-67) the space service comprises a schema (fields), wherein the schema specifies one or more messages (advertising messages) usable to invoke functions (function) of the space service.

As to claims 6 and 31, refer to claim 3. Additionally, Vacon teaches (col.7, lines 1-67) the schema specifies messages usable to read (respond) advertisements from the space and publish (answered) advertisements in the space.

As to claims 7 and 32, refer to claim 3. Additionally, Vacon teaches (col.4, lines 1-67) the client accessing the space service comprises the client sending (send) at least one of the messages specified in the schema to the space service.

As to claims 8 and 33, refer to claim 1. Additionally, Vacon teaches (col.5, lines 1-67) the client accessing the space service comprises the client searching (recognizing) the one or more service advertisements stored in the space.

As to claims 12 and 37, refer to claim 1. Additionally, Vacon teaches (col.7, lines 1-67) generating results in response (respond) to the executing the corresponding service for the selected service advertisement for the client; and publishing (answered) the results in a network-addressable location (network addresses), wherein information usable to access the network-addressable location is provided in an advertisement for the network addressable-location.

As to claims 13 and 38, refer to claim 1. Additionally, Vacon teaches (col.5, lines 1-67) the client sending (makes) an instantiation request (request) to the space after the selecting one of the service advertisements from the space; obtaining a lease for the corresponding service for the selected service advertisement; sending the lease and the selected service advertisement to the client; and constructing a gate for the client to access the corresponding service.

As to claim 14, Vacon teaches (col.3 - col.7) a system (a communications network), a client (a user terminal), a first service (services); and a space service(service providers) which is communicatively coupled to the client and the first service; wherein the first service is operable to publish (provide) a service advertisement (service advertisements) with the space service, wherein the service advertisement comprises information (service provider information) which is usable to access (access) the first service; wherein the space service is operable to store (store) the service advertisement; and wherein the client is operable to access the space service, select (specifying) the service advertisement from the space service, and use the information from the service advertisement to execute (execute) the first service.

As to claim 15, refer to claim 3 above for rejection

As to claim 19, refer to claim 6 above for rejection.

As to claim 20, refer to claim 8 above for rejection.

As to claim 24, refer to claim 12 above for rejection.

As to claim 25, refer to claim 13 above for rejection.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 4-5, 9-11, 16-18, 21-23, 27, 29-30, 34-36, and 39-50 are rejected under 35

U.S.C. 103(a) as being unpatentable over **Vacon et al. (U.S.PAT.NO. 5,227,778**; hereinafter

Vacon). in view of **Fields et al**. (U.S.PAT.NO.6,128,655; hereinafter, **Fields**).

As to claims 2 and 27, refer to claim 1. However, Vacon does not explicitly teach the

client sending messages to the space service at a Uniform Resource Identifier (URI). Fields

teaches (col.4, lines 25-35) the client sending messages to the space service at a Uniform

Resource Identifier (provided with the URLs for the desired content provider web servers). It

would have been obvious to combine the teachings of Vacon and the teachings of Fields because

it provides capability for designating resources on the Internet.

As to claims 4 and 29, refer to claim 3. However, Vacon does not explicitly teach the

schema is expressed in a data representation language. Fields teaches (col.12, lines 1-67) the

schema is expressed in a data representation language (an XML Document Type definition).

As to claims 5 and 30, refer to claim 4. However, Vacon does not explicitly teach the data representation language comprises eXtensible Markup Language. Fields teaches (col.12, lines 1-67) the data representation language comprises eXtensible Markup Language (XML). It would have been obvious to combine the teachings of Vacon and the teachings of Fields because it provides capability for enabling the definition, transmission, validation, and interpretation of data between applications.

As to claims 9 and 34, refer to claim 1. Additionally, as to "URI," refer to claim 2 above for rejection.

As to claims 10 and 35, refer to claim 8. Additionally, as to "each schema is expressed in a data representation language," refer to claim 4 above for rejection.

As to claims 11 and 36, refer to claim 10. Additionally, as to "the data representation language comprises eXtensible Markup Language," refer to claim 5 above for rejection.

As to claim 16, refer to claim 2 above for rejection.

As to claim 17, refer to claim 4 above for rejection.

As to claim 18, refer to claim 5 above for rejection.

As to claim 21, refer to claim 9 above for rejection.

As to claim 22, refer to claim 10 above for rejection.

As to claim 23, refer to claim 11 above for rejection.

As to claims 39, 43, and 47, Vacon teaches (col.3 - col.7) storing (store) a set of information (service providers information) in a space (local memory) by sending at least one

message (service advertisement messages) specified in a schema (fields) for the space, wherein the

schema specifies a plurality of messages (service advertisement messages) usable to invoke

functions (function)of the space, and a client (a user terminal).

However, Vacon does not explicitly teach the set of information is expressed in a data

representation language, and wherein the space is addressable at a Uniform Resource Identifier ; a

client locating the space at the URI; the client retrieving the set of information expressed in the

data representation language from the space by sending at least one of the messages specified in

the schema for the space.

Fields teaches (col.4 - col.5) the set of information is expressed in a data representation language

(an XML Document Type definition), and wherein the space is addressable (provided with the

URLs) at a Uniform Resource Identifier (provided with the URLs for the desired content

provider web servers); the client locating the space at the URI; the client retrieving the set of

information expressed in the data representation language from the space by sending at least one

of the messages specified in the schema for the space.

It would have been obvious to combine the teachings of Vacon and the teachings of Fields

because it provides capability for designating resources on the Internet.

     As to claims 40, 44, and 48, refer to claim 5 above for rejection.

     As to claims 41, 45, and 49, The method of claim 39, wherein the space comprises one

or more web pages which are viewable by a web browser.

     As to claims 42, 46, and 50, refer to claim 3 above for rejection.

Conclusion

4.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a) Morgenstern (U.S.PAT. NO.5,970,490) teaches "Integration Platform For Heterogeneous Databases."

b) Pike et al.. (U.S.PAT. NO.5,623,666) teaches "Distributed Computing System."

c) Bobo, II (U.S.PAT. NO.5,870,549) teaches "Systems And Methods For Storing, Delivering, And Managing Messages."

d) Courts et al. (U.S.PAT. NO.6,076,108) teaches "System And Method For Maintaining A State For A User Session Using A Web System Having A Global Session Server."

5.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Nguyen whose telephone number is (703) 306-5971. The Examiner can normally be reached on Monday-Thursday from 7:30 AM - 5:00 PM. The Examiner can also be reached on alternate Friday.

6.   Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone is (703) 305-9600.

Art Unit: 2151

Any response to this action should be mailed to:
Commissioner of Patents and Trademark
Washington, DC 20231

Or fax to:
(703) 308-9051 (for formal communications intended for entry)
(703) 305-9731 (for informal or draft communications)

VHN
02/21/01

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